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| International Application Number:    |                                                                                                    |  |  |  |
| Confirmation Number:                 | 6852                                                                                               |  |  |  |
| Title of Invention:                  | Systems and methods for monitoring chemical and biological activities us differential measurements |  |  |  |
| First Named Inventor/Applicant Name: | John J. Hefti                                                                                      |  |  |  |
| Customer Number:                     | 30499                                                                                              |  |  |  |
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## File Listing:

| Document<br>Number | Document Description                                 | File Name                                             | File Size(Bytes)/<br>Message Digest          | Multi<br>Part /.zip | Pages<br>(if appl. |  |
|--------------------|------------------------------------------------------|-------------------------------------------------------|----------------------------------------------|---------------------|--------------------|--|
| 1                  |                                                      | PBS001US-20091019.pdf                                 | 3137941                                      | yes                 | 82                 |  |
| <u> </u>           |                                                      | PB300103-20091019.pui                                 | 6b24020989ce1dba2d147bdc90f0s1b08e3<br>c7l0e |                     |                    |  |
|                    | Multipart Description/PDF files in .zip description  |                                                       |                                              |                     |                    |  |
|                    | Document Description                                 |                                                       | Start                                        | End                 |                    |  |
|                    | Extension of                                         | Extension of Time                                     |                                              | 1                   |                    |  |
|                    | Transmittal                                          | Transmittal Letter                                    |                                              | 3                   |                    |  |
|                    | Information Disclosure Statement (IDS) Filed (SB/08) |                                                       | 4                                            | 6                   |                    |  |
|                    | NPL Documents                                        |                                                       | 7                                            | 13                  |                    |  |
|                    | NPL Documents                                        |                                                       | 14                                           | 33                  |                    |  |
|                    | NPL Documents                                        |                                                       | 34                                           | 60                  |                    |  |
|                    | NPL Docum                                            | NPL Documents                                         |                                              | 61                  |                    |  |
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|                    | Amendment/Req. Reconsiderati                         | Amendment/Req. Reconsideration-After Non-Final Reject |                                              | 65                  |                    |  |
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|                    | Drawings-only black and white line drawings          |                                                       | 82                                           | 82                  |                    |  |
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| nformation:        |                                                      | T                                                     |                                              |                     |                    |  |
| 2                  | Fee Worksheet (PTO-875)                              | fee-info.pdf                                          | 31840<br>2278699.08794644001386454014D       | no                  | 2                  |  |
| Warnings:          |                                                      | l .                                                   | 701                                          |                     |                    |  |

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#### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-[d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

#### National Stage of an International Application under 35 U.S.C. 371

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### New International Application Filed with the USPTO as a Receiving Office

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